

Patent  
72478-3417

**IN THE CLAIMS:**

1 1-35. (Cancelled)

1 36. (Previously Presented) A system for forming a protective layer on a plasma  
2 display panel comprising;  
3 a vacuum chamber housing,  
4 means for supporting a plasma display panel substrate with electrodes in the  
5 housing;  
6 means for heating the plasma display panel substrate;  
7 means for evaporating, from a source of magnesium oxide, a predetermined  
8 amount of magnesium oxide to provide the protective layer on the plasma display panel  
9 substrate; and  
10 an electron gun aligned with the means for supporting for evaporating magnesium  
11 oxide, as applied to the plasma display panel substrate, to provide a single layer of a (110)-face  
12 orientation of sufficient thickness to provide sputtering resistance during a predetermined life  
13 term of the plasma display panel.

1 37. (Previously Presented) The system of Claim 36 wherein the plasma display panel  
2 substrate is heated to a temperature of 150°C and the magnesium oxide is applied to a thickness  
3 of 5000 Å for the protective layer.